

09/ 284735

=> file caplus
COST IN U.S. DOLLARS
FULL ESTIMATED COST

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FILE 'CAPLUS' ENTERED AT 08:40:37 ON 11 SEP 2002
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FILE COVERS 1907 - 11 Sep 2002 VOL 137 ISS 11
FILE LAST UPDATED: 10 Sep 2002 (20020910/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

CAS roles have been modified effective December 16, 2001. Please check your SDI profiles to see if they need to be revised. For information on CAS roles, enter HELP ROLES at an arrow prompt or use the CAS Roles thesaurus (/RL field) in this file.

```
=> s detergent(l)impregnated(l)article
      68723 DETERGENT
      59711 DETERGENTS
      94501 DETERGENT
          (DETERGENT OR DETERGENTS)
      86285 IMPREGNATED
      72329 ARTICLE
      62406 ARTICLES
     123993 ARTICLE
          (ARTICLE OR ARTICLES)
```

L1 7 DETERGENT(L) IMPREGNATED(L) ARTICLE

```
=> s paper or (non-woven or un-woven or nonwoven or unwoven) or woven or knitted
     523410 PAPER
     41686 PAPERS
     547531 PAPER
          (PAPER OR PAPERS)
     553080 NON
        30 NONS
     553104 NON
          (NON OR NONS)
     17621 WOVEN
        82 WOVENS
     17678 WOVEN
          (WOVEN OR WOVENS)
     1850 NON-WOVEN
          (NON(W) WOVEN)
     45558 UN
     1587 UNS
     47139 UN
          (UN OR UNS)
     17621 WOVEN
```

```

      82 WOSENS
    17678 WOVEN
      (WOVEN OR WOSENS)
      9 UN-WOVEN
      (UN(W)WOVEN)
    24583 NONWOVEN
    2441 NONWOSENS
    24796 NONWOVEN
      (NONWOVEN OR NONWOSENS)
      944 UNWOVEN
    17621 WOVEN
      82 WOSENS
    17678 WOVEN
      (WOVEN OR WOSENS)
      4344 KNITTED
L2      587253 PAPER OR (NON-WOVEN OR UN-WOVEN OR NONWOVEN OR UNWOVEN) OR WOVEN
      OR KNITTED

```

```

=> detergent
DETERGENT IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

```

```

=> s detergent
      68723 DETERGENT
      59711 DETERGENTS
L3      94501 DETERGENT
      (DETERGENT OR DETERGENTS)

```

```

=> s solid (l)abrasive(l)particle
      830946 SOLID
      247265 SOLIDS
      1016492 SOLID
      (SOLID OR SOLIDS)
      23838 ABRASIVE
      9504 ABRASIVES
      26411 ABRASIVE
      (ABRASIVE OR ABRASIVES)
      540369 PARTICLE
      613990 PARTICLES
      923896 PARTICLE
      (PARTICLE OR PARTICLES)
L4      472 SOLID (L)ABRASIVE(L)PARTICLE

```

```

=> water
WATER IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

```

```

=> s water
      1941956 WATER
      212635 WATERS
L5      1992645 WATER
      (WATER OR WATERS)

```

```

=> s silicone oil
      80723 SILICONE
      60535 SILICONES
      117186 SILICONE
      (SILICONE OR SILICONES)
      630109 OIL
      267505 OILS

```

```

707225 OIL
(OIL OR OILS)
L6 14417 SILICONE OIL
(SILICONE(W)OIL)

=> s pencil hardness (l)6B(l)9H
8707 PENCIL
1110 PENCILS
9098 PENCIL
(PENCIL OR PENCILS)
155383 HARDNESS
1860 HARDNESSES
156122 HARDNESS
(HARDNESS OR HARDNESSES)
5982 PENCIL HARDNESS
(PENCIL(W)HARDNESS)
8264 6B
6688 9H
L7 1 PENCIL HARDNESS (L)6B(L)9H

=> s pencil (l)hardness (l)(6B or 9H)
8707 PENCIL
1110 PENCILS
9098 PENCIL
(PENCIL OR PENCILS)
155383 HARDNESS
1860 HARDNESSES
156122 HARDNESS
(HARDNESS OR HARDNESSES)
8264 6B
6688 9H
L8 223 PENCIL (L)HARDNESS (L)(6B OR 9H)

=> d his

(FILE 'HOME' ENTERED AT 08:39:49 ON 11 SEP 2002)

FILE 'CAPLUS' ENTERED AT 08:40:37 ON 11 SEP 2002
L1 7 S DETERGENT(L)IMPREGNATED(L)ARTICLE
L2 587253 S PAPER OR (NON-WOVEN OR UN-WOVEN OR NONWOVEN OR UNWOVEN) OR WO
L3 94501 S DETERGENT
L4 472 S SOLID (L)ABRASIVE(L)PARTICLE
L5 1992645 S WATER
L6 14417 S SILICONE OIL
L7 1 S PENCIL HARDNESS (L)6B(L)9H
L8 223 S PENCIL (L)HARDNESS (L)(6B OR 9H)

=> s detergent (l)impregnated
68723 DETERGENT
59711 DETERGENTS
94501 DETERGENT
(DETERGENT OR DETERGENTS)
86285 IMPREGNATED
L9 409 DETERGENT (L)IMPREGNATED

=> d his

(FILE 'HOME' ENTERED AT 08:39:49 ON 11 SEP 2002)

FILE 'CAPLUS' ENTERED AT 08:40:37 ON 11 SEP 2002
L1 7 S DETERGENT(L)IMPREGNATED(L)ARTICLE
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L3 94501 S DETERGENT
L4 472 S SOLID (L)ABRASIVE(L)PARTICLE

```

L5 1992645 S WATER
 L6 14417 S SILICONE OIL
 L7 1 S PENCIL HARDNESS (L)6B(L)9H
 L8 223 S PENCIL (L)HARDNESS (L) (6B OR 9H)
 L9 409 S DETERGENT (L) IMPREGNATED

=> s 12 and 13 and 14 and 15 and 16
 L10 0 L2 AND L3 AND L4 AND L5 AND L6

=> s 12 and 13 and 14 and 16
 L11 0 L2 AND L3 AND L4 AND L6

=> s 12 and 13 and 14
 L12 1 L2 AND L3 AND L4

=> s 12 and 13 and 16
 L13 4 L2 AND L3 AND L6

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(FILE 'HOME' ENTERED AT 08:39:49 ON 11 SEP 2002)

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 L9 409 S DETERGENT (L) IMPREGNATED
 L10 0 S L2 AND L3 AND L4 AND L5 AND L6
 L11 0 S L2 AND L3 AND L4 AND L6
 L12 1 S L2 AND L3 AND L4
 L13 4 S L2 AND L3 AND L6

=> d l12 bib, abs

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:406052 CAPLUS
 DN 129:83014
 TI **Detergent**-impregnated article for easy cleaning of hard surfaces
 without streaking
 IN Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome, Hironobu
 PA Kao Corp., Japan; Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome,
 Hironobu
 SO PCT Int. Appl., 57 pp.
 CODEN: PIXXD2
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9826040	A1	19980618	WO 1997-JP4448	19971204
	W: AU, CN, KR, SG, US, VN				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 10165344	A2	19980623	JP 1996-328778	19961209
	JP 3007578	B2	20000207		
	AU 9851367	A1	19980703	AU 1998-51367	19971204
	AU 730354	B2	20010308		
	EP 944713	A1	19990929	EP 1997-946107	19971204
	R: DE, ES, FR, GB, NL				
	CN 1239996	A	19991229	CN 1997-180436	19971204

PRAI JP 1996-328778 A 19961209
 JP 1997-94241 A 19970411
 JP 1997-94242 A 19970411
 WO 1997-JP4448 W 19971204

OS MARPAT 129:83014

AB A **detergent**-impregnated article, esp. suitable for cleaning a hard surface such as glass, comprises a base body impregnated with a **detergent** comprising **solid abrasive particles**, e.g., a vinyl (co)polymer, silicone deriv., etc.; a protective layer-forming component, e.g., dimethylpolysiloxane; an org. solvent, e.g., an n-alkane; a drying accelerator, e.g., ethanol; a thickening polysaccharide; and a surface-active agent, e.g., dodecyl glucoside. A hard surface is wiped with the **detergent**-impregnated article to apply the **detergent** and release dirt from the surface, then dry-wiped lightly with a wiping sheet to remove the dirt and **detergent** and form a stain-resistant protective layer on the surface. Thus, a **detergent** comprising silicone powder (av. **particle** size 2 .mu.m) 3, dimethylpolysiloxane 0.5, n-paraffin 2, dodecyl glucoside 0.50, xanthan gum 0.13, ethanol 20, and water 71.87% was impregnated in a pulp sheet (basis wt. 55 g/m2, thickness 0.9 mm) to 300-500% uptake, and the sheet used to wipe a glass plate, which, after the **detergent** dried, was dry-wiped with an unimpregnated pulp sheet dynamic friction coeff. in wiping 0.20, gloss 114, static friction coeff. of cleaned surface 0.25, and staining degree 17%, compared with 0.50, 100, 0.60, and 91%, resp., for a com. glass cleaner.

=> d his

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L1 7 S DETERGENT(L) IMPREGNATED(L) ARTICLE
 L2 587253 S PAPER OR (NON-WOVEN OR UN-WOVEN OR NONWOVEN OR UNWOVEN) OR WO
 L3 94501 S DETERGENT
 L4 472 S SOLID (L) ABRASIVE(L) PARTICLE
 L5 1992645 S WATER
 L6 14417 S SILICONE OIL
 L7 1 S PENCIL HARDNESS (L) 6B(L) 9H
 L8 223 S PENCIL (L) HARDNESS (L) (6B OR 9H)
 L9 409 S DETERGENT (L) IMPREGNATED
 L10 0 S L2 AND L3 AND L4 AND L5 AND L6
 L11 0 S L2 AND L3 AND L4 AND L6
 L12 1 S L2 AND L3 AND L4
 L13 4 S L2 AND L3 AND L6

=> d l13 1-4 bib,abs

L13 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS
 AN 2001:79285 CAPLUS
 DN 134:253634
 TI Washing of Elastan-containing textiles
 AU Held-Beller, Silvia; Horrer, Bernd
 CS CHT R. Beitlich GmbH, Tübingen, D-72072, Germany
 SO Textilveredlung (2000), 35(11/12), 4,6,8-10
 CODEN: TXLVAE; ISSN: 0040-5310
 PB Verlag Textilveredlung AG
 DT Journal
 LA German
 AB The removal of residual **silicone oil** from elastane fiber of cotton/elastane and polyamide/Elastan **wovens** prior to finishing was investigated using solvent-free systems. The following tensides and formulations were examd.: fat alc. ethoxylate, castor oil

ethoxylate, fat amine ethoxylate, fat aminoxide, alkylsulfonate, Felosan NOG, and Lavotan SE. Factors affecting washing process are described and evaluated. Results regarding **silicone oil** removal, emulsion stability, and foaming behavior are presented and compared.

L13 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1997:509380 CAPLUS

DN 127:222267

TI Granular nonionic **detergent** compositions with good resistance to breakage during storage

IN Horie, Hiromichi; Takahashi, Yoshiharu; Iwabuchi, Hiroyuki; Abe, Seiji

PA Lion Corp., Japan

SO Jpn. Kokai Tokyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN. CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	JP 09194898	A2	19970729	JP 1996-3712	19960112
AB	The compns. contain nonionic surfactants and clay minerals (purity 60-90%, crystallinity 60-95%). Thus, granules comprising C12H25O(CH2CH2O)7H 25, BPW 009-3 (purity 80%, crystallinity 88%) 6, Siltan B 27.5, Nipsil NS-K (amorphous silica) 4, light ash 20, Na2SO3 1, SKS 6 5, a 1:1 mixt. of Na laurate/Na oleate 0.5, 7:3 acrylic acid-maleic acid copolymer 5, poly(ethylene glycol) 0.4, di-Me silicone oil 0.1, Tinopal CBS-X 0.2, a 1:1:1 mixt. of lipase/protease/cellulase 1, and other additives to 100% showed av. particle diam. 500 .mu.m initially and 490 .mu.m after storage at 30.degree. and relative humidity 85% in a paper box for 30 days.				

L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1995:212254 CAPLUS

DN 122:167342

TI The thermodynamical evaluation of the effect of wet lapping conditions on the wettability of copper against water

AU Suzuki, Michiyoshi; Haritani, Yasuo

CS Educ. Coll., Utsunomiya Univ., Utsunomiya, Japan

SO Utsunomiya Daigaku Kyoikugakubu Kiyo, Dai-2-bu (1994), 44, 119-29

CODEN: UDKKBI; ISSN: 0385-2415

DT Journal

LA Japanese

AB In the ebullition behavior of superheated water droplets held on the solid surfaces, the wettability of solid surfaces against water plays an important role. Both of chem. and phys. property of solid surfaces finished by the wet lapping are largely effected by the lapping powder and the working liq. Therefore, the wettability of solid surface against water is influenced by the lapping conditions, i.e., the kinds of lapping powder and the working liq. But it is considered that the thermodynamical investigation of it has not been carried out sufficiently till now. In this study, GC, C, WA and FO as the lapping powder, and light oil, machine oil, liq. paraffin and **silicone oil** as the working liq. were prepd. for the lapping of copper. It is considered that copper disks finished by these lapping conditions differ in the wettability against water. In this **paper**, the free energy component originated in the dispersion force of the surface free energy of the solids and the interaction free energy component originated in the nondispersion force at the interface of the solids and water were calcd. on the basis of contact angles measured exptl. The effect of lapping conditions on the wettability of copper against water was thermodynamically discussed from the standpoint of free energy.

L13 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1987:215645 CAPLUS

DN 106:215645
 TI One-step dry-and-shine polishing cloth
 IN Floyd, David Thoma; Shanklin, Gary Lee; Meitner, Gary Howard; Lynch,
 Gordon Edward
 PA Kimberly-Clark Corp., USA
 SO Eur. Pat. Appl., 9 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 211773	A2	19870225	EP 1986-401844	19860820
	EP 211773	A3	19880107		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	US 4683001	A	19870728	US 1985-768905	19850823
	BR 8603854	A	19870324	BR 1986-3854	19860813
	AU 8661639	A1	19870226	AU 1986-61639	19860820
PRAI	US 1985-768905		19850823		

AB A disposable article for drying and polishing automobiles comprises a
 synthetic absorbent cloth contg. wax, **silicone oil**,
 and **detergent** or soap. A web of melt-blown polypropylene was
 rotogravure printed with a mixt. of **silicone oil** 21.5,
 oxidized montan wax 5.38, carnauba wax 3.58, oleic acid 5.38, antistatic
 agent 0.1, UV inhibitor 0.1, morpholine 5.02, water 28.44, and iso-ProH
 30.5% to prep. a drying-polishing article.

=> log y

COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	66.17	66.38
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL
	ENTRY	SESSION
CA SUBSCRIBER PRICE	-3.10	-3.10

STN INTERNATIONAL LOGOFF AT 08:52:14 ON 11 SEP 2002

=> file caplus
COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

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FILE COVERS 1907 - 11 Sep 2002 VOL 137 ISS 11
FILE LAST UPDATED: 10 Sep 2002 (20020910/ED)

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```
=> s detergent(l)impregnated(l)article
      68723 DETERGENT
      59711 DETERGENTS
      94501 DETERGENT
          (DETERGENT OR DETERGENTS)
      86285 IMPREGNATED
      72329 ARTICLE
      62406 ARTICLES
     123993 ARTICLE
          (ARTICLE OR ARTICLES)
```

L1 7 DETERGENT(L) IMPREGNATED(L) ARTICLE

```
=> s paper or (non-woven or un-woven or nonwoven or unwoven) or woven or knitted
      523410 PAPER
      41686 PAPERS
      547531 PAPER
          (PAPER OR PAPERS)
      553080 NON
          30 NONS
      553104 NON
          (NON OR NONS)
      17621 WOVEN
          82 WOVENS
      17678 WOVEN
          (WOVEN OR WOVENS)
          1850 NON-WOVEN
              (NON(W) WOVEN)
      45558 UN
          1587 UNS
      47139 UN
              (UN OR UNS)
      17621 WOVEN
```



```

      82 WOVENS
17678 WOVEN
      (WOVEN OR WOVENS)
      9 UN-WOVEN
      (UN(W)WOVEN)
24583 NONWOVEN
2441 NONWOVENS
24796 NONWOVEN
      (NONWOVEN OR NONWOVENS)
      944 UNWOVEN
17621 WOVEN
      82 WOVENS
17678 WOVEN
      (WOVEN OR WOVENS)
      4344 KNITTED
L2      587253 PAPER OR (NON-WOVEN OR UN-WOVEN OR NONWOVEN OR UNWOVEN) OR WOVEN
      OR KNITTED

```

```

=> detergent
DETERGENT IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

```

```

=> s detergent
      68723 DETERGENT
      59711 DETERGENTS
L3      94501 DETERGENT
      (DETERGENT OR DETERGENTS)

```

```

=> s solid (l)abrasive(l)particle
      830946 SOLID
      247265 SOLIDS
1016492 SOLID
      (SOLID OR SOLIDS)
      23838 ABRASIVE
      9504 ABRASIVES
      26411 ABRASIVE
      (ABRASIVE OR ABRASIVES)
      540369 PARTICLE
      613990 PARTICLES
      923896 PARTICLE
      (PARTICLE OR PARTICLES)
L4      472 SOLID (L)ABRASIVE(L)PARTICLE

```

```

=> water
WATER IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

```

```

=> s water
      1941956 WATER
      212635 WATERS
L5      1992645 WATER
      (WATER OR WATERS)

```

```

=> s silicone oil
      80723 SILICONE
      60535 SILICONES
      117186 SILICONE
      (SILICONE OR SILICONES)
      630109 OIL
      267505 OILS

```

```

707225 OIL
(OIL OR OILS)
L6 14417 SILICONE OIL
(SILICONE(W) OIL)

=> s pencil hardness (l)6B(l)9H
8707 PENCIL
1110 PENCILS
9098 PENCIL
(PENCIL OR PENCILS)
155383 HARDNESS
1860 HARDNESSES
156122 HARDNESS
(HARDNESS OR HARDNESSES)
5982 PENCIL HARDNESS
(PENCIL(W)HARDNESS)
8264 6B
6688 9H
L7 1 PENCIL HARDNESS (L) 6B(L) 9H

=> s pencil (l)hardness (l)(6B or 9H)
8707 PENCIL
1110 PENCILS
9098 PENCIL
(PENCIL OR PENCILS)
155383 HARDNESS
1860 HARDNESSES
156122 HARDNESS
(HARDNESS OR HARDNESSES)
8264 6B
6688 9H
L8 223 PENCIL (L)HARDNESS (L) (6B OR 9H)

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L4 472 S SOLID (L)ABRASIVE(L) PARTICLE
L5 1992645 S WATER
L6 14417 S SILICONE OIL
L7 1 S PENCIL HARDNESS (L) 6B(L) 9H
L8 223 S PENCIL (L)HARDNESS (L) (6B OR 9H)

```

```

=> s detergent (l)impregnated
68723 DETERGENT
59711 DETERGENTS
94501 DETERGENT
(DETERGENT OR DETERGENTS)
86285 IMPREGNATED
L9 409 DETERGENT (L) IMPREGNATED

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L3 94501 S DETERGENT
L4 472 S SOLID (L)ABRASIVE(L) PARTICLE

```

L5 1992645 S WATER
 L6 14417 S SILICONE OIL
 L7 1 S PENCIL HARDNESS (L) 6B(L) 9H
 L8 223 S PENCIL (L) HARDNESS (L) (6B OR 9H)
 L9 409 S DETERGENT (L) IMPREGNATED

=> s 12 and 13 and 14 and 15 and 16
 L10 0 L2 AND L3 AND L4 AND L5 AND L6

=> s 12 and 13 and 14 and 16
 L11 0 L2 AND L3 AND L4 AND L6

=> s 12 and 13 and 14
 L12 1 L2 AND L3 AND L4

=> s 12 and 13 and 16
 L13 4 L2 AND L3 AND L6

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 L3 94501 S DETERGENT
 L4 472 S SOLID (L) ABRASIVE(L) PARTICLE
 L5 1992645 S WATER
 L6 14417 S SILICONE OIL
 L7 1 S PENCIL HARDNESS (L) 6B(L) 9H
 L8 223 S PENCIL (L) HARDNESS (L) (6B OR 9H)
 L9 409 S DETERGENT (L) IMPREGNATED
 L10 0 S L2 AND L3 AND L4 AND L5 AND L6
 L11 0 S L2 AND L3 AND L4 AND L6
 L12 1 S L2 AND L3 AND L4
 L13 4 S L2 AND L3 AND L6

=> d l12 bib, abs

L12 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2002 ACS
 AN 1998:406052 CAPLUS
 DN 129:83014

TI **Detergent**-impregnated article for easy cleaning of hard surfaces
 without streaking

IN Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome, Hironobu
 PA Kao Corp., Japan; Hanaoka, Koji; Hoshino, Eiichi; Inaba, Fumiko; Sionome,
 Hironobu

SO PCT Int. Appl., 57 pp.
 CODEN: PIXXD2

DT Patent
 LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9826040	A1	19980618	WO 1997-JP4448	19971204
	W: AU, CN, KR, SG, US, VN				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	JP 10165344	A2	19980623	JP 1996-328778	19961209
	JP 3007578	B2	20000207		
	AU 9851367	A1	19980703	AU 1998-51367	19971204
	AU 730354	B2	20010308		
	EP 944713	A1	19990929	EP 1997-946107	19971204
	R: DE, ES, FR, GB, NL				
	CN 1239996	A	19991229	CN 1997-180436	19971204

PRAI JP 1996-328778 A 19961209
 JP 1997-94241 A 19970411
 JP 1997-94242 A 19970411
 WO 1997-JP4448 W 19971204

OS MARPAT 129:83014

AB A **detergent**-impregnated article, esp. suitable for cleaning a hard surface such as glass, comprises a base body impregnated with a **detergent** comprising **solid abrasive particles**, e.g., a vinyl (co)polymer, silicone deriv., etc.; a protective layer-forming component, e.g., dimethylpolysiloxane; an org. solvent, e.g., an n-alkane; a drying accelerator, e.g., ethanol; a thickening polysaccharide; and a surface-active agent, e.g., dodecyl glucoside. A hard surface is wiped with the **detergent**-impregnated article to apply the **detergent** and release dirt from the surface, then dry-wiped lightly with a wiping sheet to remove the dirt and **detergent** and form a stain-resistant protective layer on the surface. Thus, a **detergent** comprising silicone powder (av. **particle** size 2 .mu.m) 3, dimethylpolysiloxane 0.5, n-paraffin 2, dodecyl glucoside 0.50, xanthan gum 0.13, ethanol 20, and water 71.87% was impregnated in a pulp sheet (basis wt. 55 g/m2, thickness 0.9 mm) to 300-500% uptake, and the sheet used to wipe a glass plate, which, after the **detergent** dried, was dry-wiped with an unimpregnated pulp sheet dynamic friction coeff. in wiping 0.20, gloss 114, static friction coeff. of cleaned surface 0.25, and staining degree 17%, compared with 0.50, 100, 0.60, and 91%, resp., for a com. glass cleaner.

=> d his

(FILE 'HOME' ENTERED AT 08:39:49 ON 11 SEP 2002)

FILE 'CAPLUS' ENTERED AT 08:40:37 ON 11 SEP 2002

L1 7 S DETERGENT(L) IMPREGNATED(L) ARTICLE
 L2 587253 S PAPER OR (NON-WOVEN OR UN-WOVEN OR NONWOVEN OR UNWOVEN) OR WO
 L3 94501 S DETERGENT
 L4 472 S SOLID (L) ABRASIVE(L) PARTICLE
 L5 1992645 S WATER
 L6 14417 S SILICONE OIL
 L7 1 S PENCIL HARDNESS (L) 6B(L) 9H
 L8 223 S PENCIL (L) HARDNESS (L) (6B OR 9H)
 L9 409 S DETERGENT (L) IMPREGNATED
 L10 0 S L2 AND L3 AND L4 AND L5 AND L6
 L11 0 S L2 AND L3 AND L4 AND L6
 L12 1 S L2 AND L3 AND L4
 L13 4 S L2 AND L3 AND L6

=> d l13 1-4 bib,abs

L13 ANSWER 1 OF 4 CAPLUS COPYRIGHT 2002 ACS
 AN 2001:79285 CAPLUS
 DN 134:253634
 TI Washing of Elastan-containing textiles
 AU Held-Beller, Silvia; Horrer, Bernd
 CS CHT R. Beitlich GmbH, Tübingen, D-72072, Germany
 SO Textilveredlung (2000), 35(11/12), 4,6,8-10
 CODEN: TXLVAE; ISSN: 0040-5310
 PB Verlag Textilveredlung AG
 DT Journal
 LA German
 AB The removal of residual **silicone oil** from elastane fiber of cotton/elastane and polyamide/Elastan **wovens** prior to finishing was investigated using solvent-free systems. The following tensides and formulations were examd.: fat alc. ethoxylate, castor oil

ethoxylate, fat amine ethoxylate, fat aminoxide, alkylsulfonate, Felosan NOG, and Lavotan SE. Factors affecting washing process are described and evaluated. Results regarding **silicone oil** removal, emulsion stability, and foaming behavior are presented and compared.

L13 ANSWER 2 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1997:509380 CAPLUS

DN 127:222267

TI Granular nonionic **detergent** compositions with good resistance to breakage during storage

IN Horie, Hiromichi; Takahashi, Yoshiharu; Iwabuchi, Hiroyuki; Abe, Seiji

PA Lion Corp., Japan

SO Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DT Patent

LA Japanese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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PI	JP 09194898	A2	19970729	JP 1996-3712	19960112
AB	The compns. contain nonionic surfactants and clay minerals (purity 60-90%, crystallinity 60-95%). Thus, granules comprising C ₁₂ H ₂₅ O(CH ₂ CH ₂ O) ₇ H 25, BPW 009-3 (purity 80%, crystallinity 88%) 6, Siltan B 27.5, Nipsil NS-K (amorphous silica) 4, light ash 20, Na ₂ SO ₃ 1, SKS 6 5, a 1:1 mixt. of Na laurate/Na oleate 0.5, 7:3 acrylic acid-maleic acid copolymer 5, poly(ethylene glycol) 0.4, di-Me silicone oil 0.1, Tinopal CBS-X 0.2, a 1:1:1 mixt. of lipase/protease/cellulase 1, and other additives to 100% showed av. particle diam. 500 .mu.m initially and 490 .mu.m after storage at 30.degree. and relative humidity 85% in a paper box for 30 days.				

L13 ANSWER 3 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1995:212254 CAPLUS

DN 122:167342

TI The thermodynamical evaluation of the effect of wet lapping conditions on the wettability of copper against water

AU Suzuki, Michiyoshi; Haritani, Yasuo

CS Educ. Coll., Utsunomiya Univ., Utsunomiya, Japan

SO Utsunomiya Daigaku Kyoikugakubu Kiyo, Dai-2-bu (1994), 44, 119-29

CODEN: UDKKBI; ISSN: 0385-2415

DT Journal

LA Japanese

AB In the ebullition behavior of superheated water droplets held on the solid surfaces, the wettability of solid surfaces against water plays an important role. Both of chem. and phys. property of solid surfaces finished by the wet lapping are largely effected by the lapping powder and the working liq. Therefore, the wettability of solid surface against water is influenced by the lapping conditions, i.e., the kinds of lapping powder and the working liq. But it is considered that the thermodynamical investigation of it has not been carried out sufficiently till now. In this study, GC, C, WA and FO as the lapping powder, and light oil, machine oil, liq. paraffin and **silicone oil** as the working liq. were prepd. for the lapping of copper. It is considered that copper disks finished by these lapping conditions differ in the wettability against water. In this **paper**, the free energy component originated in the dispersion force of the surface free energy of the solids and the interaction free energy component originated in the nondispersion force at the interface of the solids and water were calcd. on the basis of contact angles measured exptl. The effect of lapping conditions on the wettability of copper against water was thermodynamically discussed from the standpoint of free energy.

L13 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS

AN 1987:215645 CAPLUS

DN 106:215645
 TI One-step dry-and-shine polishing cloth
 IN Floyd, David Thoma; Shanklin, Gary Lee; Meitner, Gary Howard; Lynch,
 Gordon Edward
 PA Kimberly-Clark Corp., USA
 SO Eur. Pat. Appl., 9 pp.
 CODEN: EPXXDW
 DT Patent
 LA English
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 211773	A2	19870225	EP 1986-401844	19860820
	EP 211773	A3	19880107		
	R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
	US 4683001	A	19870728	US 1985-768905	19850823
	BR 8603854	A	19870324	BR 1986-3854	19860813
	AU 8661639	A1	19870226	AU 1986-61639	19860820
PRAI	US 1985-768905		19850823		

AB A disposable article for drying and polishing automobiles comprises a synthetic absorbent cloth contg. wax, **silicone oil**, and **detergent** or soap. A web of melt-blown polypropylene was rotogravure printed with a mixt. of **silicone oil** 21.5, oxidized montan wax 5.38, carnauba wax 3.58, oleic acid 5.38, antistatic agent 0.1, UV inhibitor 0.1, morpholine 5.02, water 28.44, and iso-PrOH 30.5% to prep. a drying-polishing article.

=> log y

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	66.17	66.38
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-3.10	-3.10

STN INTERNATIONAL LOGOFF AT 08:52:14 ON 11 SEP 2002

=> S detergent-impregnated or detergentimpregnated or detergent impregnated
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 Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> file caplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.84	0.84

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FILE COVERS 1907 - 12 Mar 2003 VOL 138 ISS 11
FILE LAST UPDATED: 11 Mar 2003 (20030311/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s detergent-impregnated or detergent impregnated
    70186 DETERGENT
    61651 DETERGENTS
    96537 DETERGENT
        (DETERGENT OR DETERGENTS)
    88184 IMPREGNATED
        29 DETERGENT-IMPREGNATED
            (DETERGENT(W) IMPREGNATED)
    70186 DETERGENT
    61651 DETERGENTS
    96537 DETERGENT
        (DETERGENT OR DETERGENTS)
    88184 IMPREGNATED
        29 DETERGENT IMPREGNATED
            (DETERGENT(W) IMPREGNATED)
L1      29 DETERGENT-IMPREGNATED OR DETERGENT IMPREGNATED

=> s article
    76843 ARTICLE
    64774 ARTICLES
L2      130330 ARTICLE
        (ARTICLE OR ARTICLES)

=> s water or aqueous
    2000223 WATER
    219894 WATERS
    2050478 WATER
        (WATER OR WATERS)
    150641 AQUEOUS
        1 AQUEOUSES
    150642 AQUEOUS
        (AQUEOUS OR AQUEOUSES)
    949296 AQ
        128 AQS
    949374 AQ
        (AQ OR AQS)
    983133 AQUEOUS
        (AQUEOUS OR AQ)
L3      2748683 WATER OR AQUEOUS

=> s pencil hardness
    8895 PENCIL
    1155 PENCILS
    9300 PENCIL
        (PENCIL OR PENCILS)
    159537 HARDNESS
        1890 HARDNESSES
    160280 HARDNESS
        (HARDNESS OR HARDNESSES)
L4      6117 PENCIL HARDNESS
        (PENCIL(W) HARDNESS)

=> s pencil(l)hardness
```